

RIGHT-ARM ONLY on this page: A_x , A_z Production Run Sheet

Date: 29 May 2009	Author: EIP
Beam Energy: GeV	Using Pol ^3He Cell: <input checked="" type="radio"/> N, <input type="radio"/> Long, <input type="radio"/> Tran, or Vertical
RHRS	BigBite
Momentum (GeV/c): 2.175	Polarity: "-"
Angle: 18°	Sieve Plate: IN or OUT ?
	Current (A):
	Polarity: Positive

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay OK?
21767	01:24	01:15	^3He	11 μ	3.7M	13%		<input checked="" type="checkbox"/>
21768	01:15	01:50	^3He	11 μ	3.7M	12%		<input checked="" type="checkbox"/>
21769	01:02	02:20	"	"	3.9M	12%		<input checked="" type="checkbox"/>
21770	02:29	03:05	"	"	3.7M	"		<input checked="" type="checkbox"/>
21771	03:05	03:39	"	"		"		<input checked="" type="checkbox"/>
21772	03:39	04:12	"	"	3.7M	"		<input checked="" type="checkbox"/>
21773	05:37	06:25	"	"		"	stat after magnet check	<input checked="" type="checkbox"/>
21774	06:28	07:07	"	"	2.7M		Q1 off	

Miller \rightarrow
EPICS \rightarrow

Q1 type \rightarrow

Please change to a new run sheet for a new setting or a new type of run on the Run Plan.

More Comments:

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Date: 5/29	Author: Holmstrom
Beam Energy: GeV	Using Pol ^3He Cell: <input checked="" type="radio"/> N, <input checked="" type="radio"/> Long, <input type="radio"/> Tran, or Vertical
LHRS	BigBite
Momentum (GeV/c): 2.277	Polarity: <input checked="" type="radio"/> '-'
Angle: 14.5	Sieve Plate: IN or <input checked="" type="radio"/> OUT?
	Current (A):
	Polarity: Positive

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2895							cosmics	
2896							Spot check	
2897							Rate Check	
2898	10:27		^3He	11 μA		29%	Rate check	
2899	10:29	10:41	^3He	11 μA	1.3M	29%	Bad Dipole	
2900	10:43		^3He	11 μA			Junk	
2901							Junk	
2902	10:53	11:28	^3He	11 μA	5M	40%		✓
2903	11:29	11:51	^3He	11 μA	3M	50%		✓
2904	11:55	12:31	^3He	11 μA	5M	50%		✓
2905	12:32	12:47	^3He	11	1.9M			✓
2906							Spot	

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Date: 5/29	Author: Holmstrom
Beam Energy: GeV	Using Pol ³ He Cell: <input checked="" type="checkbox"/> Y/N, <input checked="" type="checkbox"/> Long, <input checked="" type="checkbox"/> Tran or Vertical
RHRS	BigBite
Momentum (GeV/c): 2.175	Polarity: "-" Current (A): 518
Angle: 18	Sieve Plate: IN or <input checked="" type="checkbox"/> OUT? Angle: Polarity: Positive

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
21774							Cosmics	
21775							Cosmics	
21776							Spot Check	
21777							Rate Check	
21778							Rate Check	
21779	10:29	10:41	³ He	11 μA	1.3M	12%		✓
21780	10:42		³ He	11 μA			Junk	
21781	10:52	11:28	³ He	11 μA	3.7M	12%		✓
21782	11:29	11:51	³ He	11 μA	2.2M	12%		✓
21783	11:55	12:31	³ He	11 μA	3.7M	12%		✓
21784	12:32	12:47	³ He	11 μA	1.4M			✓
21785							Spot Check	

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Date:	5/29/04	Author:	Holmstrom / Hoyoung Kang
Beam Energy:	2.425 GeV	Using Pol ^3He Cell:	(Y/N, Long, Tran, or Vertical)
LHRS		BigBite	
Momentum (GeV/c):	2.277	Polarity: "-"	Current (A): 518
Angle:	14.5°	Sieve Plate: IN or OUT	Angle: 82.0°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2907			^3He	2 μA			Junk	
2908	14:02	14:36	^3He	4 μA	18M	5%	End of Run Failed	✓
2909	14:40	15:17	^3He	11 μA	5M	5%		
2910	15:18	15:53	^3He	11	5M	5		✓
2911	15:54	16:28	^3He	11	5M	4		✓
2912	16:29	17:07	^3He	11	5M	4		✓
2913	17:08	17:47	^3He	11	5M	4		✓
2914	17:48	18:36	^3He	11	5M	4		✓
2915	18:37	18:57	^3He	11	329k	5	HV changed of ND 2 bar, but no beam	✓
2916	19:01	19:38	^3He	11	5M	4		✓
2917	19:40	20:26	^3He	11	5M	5	New Happex run #31443	✓
2918	20:28	21:10	^3He	11	5M	4		✓

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Date:	5/29/09	Author:	Halmstrom / Hoyoung Kang
Beam Energy:	2.425 GeV	Using Pol ^3He Cell:	Y/N, Long, Tran, or Vertical
RHRS		BigBite	
Momentum (GeV/c):	2.175	Polarity: "-"	Current (A): 518
Angle: 18.0°	Sieve Plate: IN or OUT?	Angle: 82.0°	Polarity: Positive

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
21786	14:02	14:36	^3He	11 μA	3.3M	12%		✓
21787	14:40	15:17	^3He	11 μA	3.7M	12%		
21788	15:18	15:53	$^3\vec{\text{He}}$	11	3.7M	12		✓
							To align with left sheet	
21789	15:54	16:28	$^3\vec{\text{He}}$	11	3.8M	12		✓
21790	16:29	17:07	$^3\vec{\text{He}}$	11	3.7M	12		✓
21791	17:08	17:47	$^3\vec{\text{He}}$	11	3.6M	13		✓
21792	17:47	18:37	$^3\vec{\text{He}}$	11	3.7M	12		✓
21793	18:37	18:57	$^3\vec{\text{He}}$	11	257k	12		✓
21794	19:01	19:38	$^3\vec{\text{He}}$	11	3.9M	12		✓
21795	19:40	20:27	$^3\vec{\text{He}}$	11	4M	12	New Happex run #31443	✓
21796	20:27	21:10	$^3\vec{\text{He}}$	11	3.8M	12		✓

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Date:	5/29/09	Author:	Hoyoung Kang
Beam Energy:	2.427 GeV	Using Pol ^3He Cell:	<input checked="" type="checkbox"/> Y/N <input checked="" type="checkbox"/> Long <input checked="" type="checkbox"/> Tran, or Vertical
LHRS		BigBite	
Momentum (GeV/c):	2.277	Polarity: "-"	Current (A): 5/8
Angle: 14.5°	Sieve Plate: IN or <input checked="" type="checkbox"/> OUT	Angle: 82.0°	Polarity: Positive

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2919	21:11	21:44	^3He	11	5M	5		<input checked="" type="checkbox"/>
2920	21:46	22:18	^3He	11	5M	4		<input checked="" type="checkbox"/>
2921	22:18	22:56	^3He	11	5M	4		<input checked="" type="checkbox"/>
2922	22:57	23:24	^3He	11	1.6M	5	stopped for spin direction change Trans \rightarrow Long	<input checked="" type="checkbox"/>
2923					465K		Cosmic	
2924	01:32		d		435K			
2925							Junk	
2926			d				vacua $6 \times 6 \text{ mm}$ $X = -0.5$	
2927	01:53		d		99K		" $4 \times 4 \text{ mm}$ $X = 0.5$	
2928	01:59		d				BPMB $X = 0.5$	
2929	02:03		d				"	
2930	02:07						BPMB $X = -0.5$	<input checked="" type="checkbox"/>

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More Comments:

2930 run -0.5 is wrong should be -1.5

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Date: 5/29/09	Author: Hoyoung Kang
Beam Energy: 2.427 GeV	Using Pol ^3He Cell: <input checked="" type="radio"/> N, <input checked="" type="radio"/> Long, <input checked="" type="radio"/> Tran, or Vertical
RHRS	BigBite
Momentum (GeV/c): 2.175 Polarity: "-"	Current (A): 518 Polarity: Positive
Angle: 18.0° Sieve Plate: IN or <input checked="" type="radio"/> OUT?	Angle: 82.0°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
21797	21:10	21:45	$^3\vec{\text{He}}$	11	3.8M	12		✓
21798	21:46	22:18	$^3\vec{\text{He}}$	11	3.7M	12		✓
21799	22:18	22:56	$^3\vec{\text{He}}$	11	3.9M	12		✓
71800	22:56	22:56	$^3\vec{\text{He}}$	11	1.2M	12	Stopped for spin direction change Trans. \rightarrow Long.	✓
21801					69K		Cosmic	
21802	01:32		d		353K			
21803			d				raster 6x6 mm $x=0.5$	
21804	01:33		d		86K		raster 4x4 mm $x=-0.5$	
21805	01:09		d				BPM B $x=0.5$	
21806	02:03						"	
21807	02:07						BPM B $x=\phi 5$	(*)

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More Comments: After run # 71800 (#2922 for L-arm), Target spin direction was changed from transverse into longitudinal.

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Date: 30 May 2003	Author: EIP
Beam Energy: 2.422 GeV	Using Pol ^3He Cell: Y/N, Long, <u>Tran</u> or Vertical
LHRS	BigBite
Momentum (GeV/c): 2.277 Polarity: "-"	Current (A): 518A Polarity: Positive
Angle: 14.5° Sieve Plate: IN or OUT ?	Angle: 82°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2931	02:11		d				BPM $x = -1.5$	
2932	02:22		d				$x = -1$	
2933	02:29	03:16	d	11 μA	5M	3%	Calibration	✓
2934	03:18		d	11 μA	43M	"	"	
2935	03:54		C	"	4M	58%	optics	
2936	04:14		^3He	"	4M	0%	Production ↓	✓
2937		Sink						
2938	04:45			2 μA			rs raster 6x6	
2939	04:50			"	beam		" } $x = -1$	
2940	04:57			"	tune		6x6 $x = -0.5$	
2941	05:03			"	↓		4x4 $x = -0.5$	
2942	05:10	06:38	^3He	11 μA	4M	4%		

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More Comments:

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Date:	30 May 2009	Author:	EIP
Beam Energy:	2.427 GeV	Using Pol ^3He Cell:	Y/N, Long, <u>Tran</u> , or Vertical
RHRS		BigBite	
Momentum (GeV/c):	2.475	Polarity: "-"	Current (A): 578 A
Angle:	18.0°	Sieve Plate: IN or OUT ?	Angle: 82°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
21808	02:11		d				BPM $x = -1.5$	
21809	02:22		d				$x = -1$	
21810	02:29	03:16	d	11 μA	3.7M	11%	Calibration	✓
21811	03:18		d	11 μA	3.2M	11%	"	
21812	03:54		C	"	4.3M	29%	optics	
21813	04:14		$\vec{1k}_3$	"	2.95M	7%	production ↓	✓
21814	Junk							
21815	04:45			2 μA	500M		vasles 6x6 mm	
21816	04:50			"	tune		" } $v = +$	
21817	04:57			"			6x6 $x = -0.5$	
21818	05:03						4x4 $x = 0.5$	
21819	05:10	06:38	$\vec{4k}_3$	11 μA	2.95M	12%		

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Date: 30 May 2009	Author: EIP
Beam Energy: GeV	Using Pol ^3He Cell: Y/N, Long <u>Trap</u> , or Vertical
LHRS	BigBite
Momentum (GeV/c):	Polarity: "-" Current (A):
Angle: Sieve Plate: IN or OUT ?	Polarity: Positive Angle:

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2943	06:38	06:05	^3He	11 μA	4M	4%		
2944	06:06	06:30	"	"	4M	"		
2945	06:30	07:03	"	"	4M	"		✓
2946	07:04	07:33	"	"	4M	"		
2947	07:33	08:01	"	"	4M	3%		✓
2948	08:22	8:52	"	"	4M	40%		✓
2949	08:53	9:22	"	"	4M	"		✓
2950	9:23	9:49	"	"	4M	40%		✓
2951	9:50	10:17	"	"	4M	40%		✓
2952	10:18		"	"			Sunk	
2953	10:23	10:51	"	"	4M	4%		✓
2954	10:52	11:20	"	"	4M	"		✓

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